AP-Defender *(catalog no. 335)*

Diluent for long-term storage of AP-conjugates. Animal- and protein-free.

Storage:	2 – 8 °C
pH-value at 19.0 – 21.0 °C:	6.5 ± 0.5
Preservative:	contains < 0.0014 % [w/w] reaction mass of CMIT/MIT (3:1)
Expiry date when stored unopened:	see label on the bottle
	For general laboratory use

Application

Dilution of Alkaline Phosphatase (AP)-conjugated antibodies, proteins and biomolecules, as well as free AP for long-term storage in solution at non-freezing temperatures, ensuring stability and functionality for subsequent use in immunoassays and related analytical applications.

Instructions for use

AP-Defender is ready-to-use. Please shake the buffer thoroughly before use.

AP-conjugates can be diluted and stored directly in *AP-Defender*. Typical conjugate concentrations in the final solution range from 100 to 1000 ng/ml. *AP-Defender* can directly be used as assay buffer in immunoassays.
AP-Defender is designed for the storage of conjugates in solution at non-freezing temperatures (i.e. above 0 °C).

Stability data of one AP-conjugate cannot be directly transferred to other conjugates. Each conjugate must be tested for its individual shelf-life in *AP-Defender*.
If *AP-Defender* is used in immunodiagnostic kits, the shelf life must be validated according to the applicable regulatory requirements for diagnostics.

AP-Defender contains components that may interfere with commonly used conjugation methods, such as techniques targeting primary amines and sulfhydryl groups. Suitability for any given conjugation method must be tested in advance. We recommend diluting biomolecules in *AP-Defender* only after conjugation.

Suitability of *AP-Defender* for a specific assay must be tested by the user.

Please note that high protein concentrations and/or microbial contamination may reduce the effectiveness of the preservative. If antibodies/conjugates are added for storage in a non-sterile manner and microbial contamination is suspected, higher-than-usual preservative concentrations may be required.

For further information please visit www.candor-bioscience.com.